

P & A Engineers and Consultants, Inc.

312 Justice Avenue
Logan, WV 25601

Phone (304) 752-8320
Fax (304) 752-7488

January 19, 2017



Mr. William Durham
Division of Air Quality
601 57th Street
Charleston, WV 25304-2345

Re: Hawkeye Contracting Company
Rock Crusher – Multiple Sites
Facility ID No. Pending

Dear Mr. Durham:

On behalf of our client, Hawkeye Contracting Company, LLC, P & A Engineers and Consultants, Inc. submits the attached Construction Application for the above-mentioned company. A submittal fee check in the amount of \$1,500 is enclosed, along with additional permit copies.

The purpose of this application is to address the construction and operation of a rock crusher/screening system for multiple surface mine sites. The advertisements will be placed in the Logan Banner, Coal Valley News and Charleston Daily Mail and will be submitted upon receipt.

If additional information or clarification is needed, please contact me at the Logan address listed above or call 304-752-8320.

Sincerely,

Donna J. Toler
Air Quality Project Manager
donnatoler@suddenlink.net

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WVDAQ Registration Application

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WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF AIR QUALITY
601 57TH Street SE
Charleston, WV 25304
Phone: (304) 926-0475 • www.wvdep.org

APPLICATION FOR GENERAL PERMIT REGISTRATION

CONSTRUCT, MODIFY, RELOCATE OR
ADMINISTRATIVELY UPDATE
A STATIONARY SOURCE OF AIR POLLUTANTS

PLEASE CHECK ALL THAT APPLY (IF KNOWN):

- ☒ CONSTRUCTION ☐ MODIFICATION ☐ RELOCATION
☐ ADMINISTRATIVE UPDATE ☐ AFTER-THE-FACT

FOR AGENCY USE ONLY: PLANT I.D. #

PERMIT # _____ PERMIT WRITER: _____

- ☐ G10-C – Coal Preparation and Handling
☐ G20-B – Hot Mix Asphalt
☐ G30-B – Natural Gas Compressor Stations
☒ G40-B – Nonmetallic Minerals Processing
☐ G50-B – Concrete Batch

9. DAQ PLANT I.D. NO. (FOR AN EXISTING FACILITY ONLY):

PENDING

SECTION I. GENERAL INFORMATION

1. NAME OF APPLICANT (AS REGISTERED WITH THE WV SECRETARY OF STATE'S OFFICE):

HAWKEYE CONTRACTING COMPANY LLC

2. FEDERAL EMPLOYER ID NO. (FEIN):

82-0586700

3. APPLICANT'S MAILING ADDRESS:

**PO BOX 1200
ROBINSON CREEK, KY 41560**

5. IF APPLICANT IS A SUBSIDIARY CORPORATION, PLEASE PROVIDE THE NAME OF PARENT CORPORATION:

6. WV BUSINESS REGISTRATION. IS THE APPLICANT A RESIDENT OF THE STATE OF WEST VIRGINIA? ☒ YES ☐ NO

- ⇒ IF YES, PROVIDE A COPY OF THE CERTIFICATE OF INCORPORATION / ORGANIZATION / LIMITED PARTNERSHIP (ONE PAGE) INCLUDING ANY NAME CHANGE AMENDMENTS OR OTHER BUSINESS CERTIFICATE AS ATTACHMENT A.
- ⇒ IF NO, PROVIDE A COPY OF THE CERTIFICATE OF AUTHORITY / AUTHORITY OF L.L.C. / REGISTRATION (ONE PAGE) INCLUDING ANY NAME CHANGE AMENDMENTS OR OTHER BUSINESS CERTIFICATE AS ATTACHMENT A.

SECTION II. FACILITY INFORMATION

7. TYPE OF PLANT OR FACILITY (STATIONARY SOURCE) TO BE CONSTRUCTED, MODIFIED, RELOCATED OR ADMINISTRATIVELY UPDATED (E.G., COAL PREPARATION PLANT, PRIMARY CRUSHER, ETC.) : Construction and operation of rock crushing/screening plant		8. STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODE FOR THE FACILITY: <p align="center">1221</p>
9A. DAQ PLANT I.D. NO. (FOR AN EXISTING FACILITY): Pending	10A. LIST ALL CURRENT 45CSR13 AND 45CSR30 (TITLE V) PERMIT NUMBERS ASSOCIATED WITH THIS PROCESS (FOR EXISTING FACILITY ONLY):	

PRIMARY OPERATING SITE INFORMATION

11A. NAME OF PRIMARY OPERATING SITE: <p align="center">Guyan Surface Mine</p>	12A. MAILING ADDRESS OF PRIMARY OPERATING SITE: <p align="center">Same</p>	
13A. DOES THE APPLICANT OWN, LEASE, HAVE AN OPTION TO BUY, OR OTHERWISE HAVE CONTROL OF THE <i>PROPOSED SITE</i> ? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO ⇨ IF YES, PLEASE EXPLAIN: <u>Lease agreement with Blackhawk Mining</u> ⇨ IF NO, YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE.		
14A. ⇨ FOR MODIFICATIONS or ADMINISTRATIVE UPDATES, AT AN EXISTING FACILITY, PLEASE PROVIDE DIRECTIONS TO THE <i>PRESENT LOCATION</i> OF THE FACILITY FROM THE NEAREST STATE ROAD; ⇨ FOR CONSTRUCTION OR RELOCATION PERMITS, PLEASE PROVIDE DIRECTIONS TO <i>THE PROPOSED NEW SITE</i> LOCATION FROM THE NEAREST STATE ROAD. <p><i>Route 119S to Logan, intersect with Route 10 and proceed approximately 7 miles. Turn left onto Rum Creek Road or Dehue Hollow Road, follow road to foot of Lowe's Mountain, turn right onto the property at posted signs. Guard will direct to surface mine area belonging to Guyandotte Mining..</i></p> <p>INCLUDE A MAP AS ATTACHMENT F.</p>		
15A. NEAREST CITY OR TOWN: <p align="center">Amherstdale</p>	16A. COUNTY: <p align="center">Logan</p>	
17A. UTM NORTHING (KM): <p align="center">4182.52098</p>	18A. UTM EASTING (KM): <p align="center">427.25499</p>	19A. UTM ZONE: <p align="center">17</p>

1ST ALTERNATE OPERATING SITE INFORMATION

11B. NAME OF PRIMARY OPERATING SITE: HUFF CREEK SURFACE MINE		12B. MAILING ADDRESS OF PRIMARY OPERATING SITE: 	
13B. DOES THE APPLICANT OWN, LEASE, HAVE AN OPTION TO BUY, OR OTHERWISE HAVE CONTROL OF THE <i>PROPOSED SITE</i> ? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO ⇨ IF YES, PLEASE EXPLAIN: LEASE AGREEMENT WITH BLACKHAWK MINING ⇨ IF NO, YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE.			
14B. ⇨ FOR MODIFICATIONS or ADMINISTRATIVE UPDATES , AT AN EXISTING FACILITY, PLEASE PROVIDE DIRECTIONS TO THE <i>PRESENT LOCATION</i> OF THE FACILITY FROM THE NEAREST STATE ROAD; ⇨ FOR CONSTRUCTION OR RELOCATION PERMITS , PLEASE PROVIDE DIRECTIONS TO <i>THE PROPOSED NEW SITE LOCATION</i> FROM THE NEAREST STATE ROAD. <u>From Charleston, follow US119S to Route 85 at Madison, follow Route 85 past Van toward Bald Knob, proceed approximately 6.5 miles, entrance to surface mine on right</u>			
INCLUDE A MAP AS ATTACHMENT F.			
15B. NEAREST CITY OR TOWN: Wharton		16B. COUNTY: BOONE	
17B. UTM NORTHING (KM): 4184.29172		18B. UTM EASTING (KM): 446.45039	19B. UTM ZONE: 17

2ND ALTERNATE OPERATING SITE INFORMATION

11C. NAME OF PRIMARY OPERATING SITE: PANTHER CREEK SURFACE MINE	12C. MAILING ADDRESS OF PRIMARY OPERATING SITE:	
13C. DOES THE APPLICANT OWN, LEASE, HAVE AN OPTION TO BUY, OR OTHERWISE HAVE CONTROL OF THE <i>PROPOSED SITE</i> ? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO ⇨ IF YES, PLEASE EXPLAIN: LEASE AGREEMENT WITH BLACKHAWK MINING ⇨ IF NO, YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE.		
14C. ⇨ FOR MODIFICATIONS or ADMINISTRATIVE UPDATES, AT AN EXISTING FACILITY, PLEASE PROVIDE DIRECTIONS TO THE <i>PRESENT LOCATION</i> OF THE FACILITY FROM THE NEAREST STATE ROAD; ⇨ FOR CONSTRUCTION OR RELOCATION PERMITS, PLEASE PROVIDE DIRECTIONS TO <i>THE PROPOSED NEW SITE LOCATION</i> FROM THE NEAREST STATE ROAD. Follow I-77 to Sharon, take Sharon exit, turn left onto Cabin Creek Road, proceed toward Eskdale, guardshack located approximately 2 miles - ask directions to surface mine area INCLUDE A MAP AS ATTACHMENT F.		
15C. NEAREST CITY OR TOWN: Eskdale	16C. COUNTY: KANAWHA	
17C. UTM NORTHING (KM): 4212.51308	18C. UTM EASTING (KM): 457.54025	19C. UTM ZONE: 17
20. PROVIDE THE DATE OF ANTICIPATED INSTALLATION OR CHANGE: <u>March 1, 2017</u> ⇨ IF THIS IS AN AFTER-THE-FACT PERMIT APPLICATION, PROVIDE THE DATE UPON WHICH THE PROPOSED CHANGE DID HAPPEN: ____/____/____		21. DATE OF ANTICIPATED START-UP IF REGISTRATION IS GRANTED: <u>March 1, 2017</u>
22. PROVIDE MAXIMUM PROJECTED OPERATING SCHEDULE OF ACTIVITY/ ACTIVITIES OUTLINED IN THIS APPLICATION: HOURS PER DAY <u>8</u> DAYS PER WEEK <u>5</u> WEEKS PER YEAR <u>50</u> PERCENTAGE OF OPERATION <u>100%</u>		

**WEST VIRGINIA
STATE TAX DEPARTMENT
BUSINESS REGISTRATION
CERTIFICATE**

ISSUED TO:
**HAWKEYE CONTRACTING COMPANY LLC
4189 COLLINS HWY
PIKEVILLE, KY 41501-6833**

BUSINESS REGISTRATION ACCOUNT NUMBER: 1052-0030

This certificate is issued on: **09/16/2016**

*This certificate is issued by
the West Virginia State Tax Commissioner
in accordance with Chapter 11, Article 12, of the West Virginia Code*

*The person or organization identified on this certificate is registered
to conduct business in the State of West Virginia at the location above.*

This certificate is not transferrable and must be displayed at the location for which issued

This certificate shall be permanent until cessation of the business for which the certificate of registration was granted or until it is suspended, revoked or cancelled by the Tax Commissioner.

Change in name or change of location shall be considered a cessation of the business and a new certificate shall be required.

TRAVELING/STREET VENDORS: Must carry a copy of this certificate in every vehicle operated by them.
CONTRACTORS, DRILLING OPERATORS, TIMBER/LOGGING OPERATIONS: Must have a copy of this certificate displayed at every job site within West Virginia.

ATTACHMENT B

PROCESS DESCRIPTION

Rock from adjacent overburden areas will be transferred to BS-01(PW) by front end loader @ TP-01(UD-PW); go to belt conveyor BC-01(NC) @ TP-02(TC-PE); and transfer to screen SS-01(PW) @ TP-03(TC-PW). The screen will discharge material by size to two separate stockpiles OS-01(SW-WS) and OS-02(SW-WS) via belt conveyors BC-02(NC) and BC-03(NC) @ TP-04(TC-FE) thru TP-08(TC-MDH). The screen will transfer to belt conveyor BC-04(NC) @ TP-10(TC-FE) and feed bin BS-02(PW) @ TP-11(TC-PW). From BS-02, material will transfer to BC-05(NC) @ TP-12(TC-PE) to the crusher CR-01(FE) @ TP-13(TC-FE). The material will be crushed and discharged to stockpiles OS-03(SW-WS), OS-04(SW-WS), OS-05(SW-WS) according to size via belt conveyors BC-06(NC), BC-07(NC), and BC-08(NC) @ TP-14(TC-FE) thru TP-21(LO-MDH). Material will be loaded to truck for distribution on mine site at TP-06(LO-MDH), TP-09(LO-MDH), TP-16(LO-MDH), TP-18(LO-MDH), and TP-22(LO-MDH).

Company officials have agreed to install a portable water spray system to control fugitive emissions.

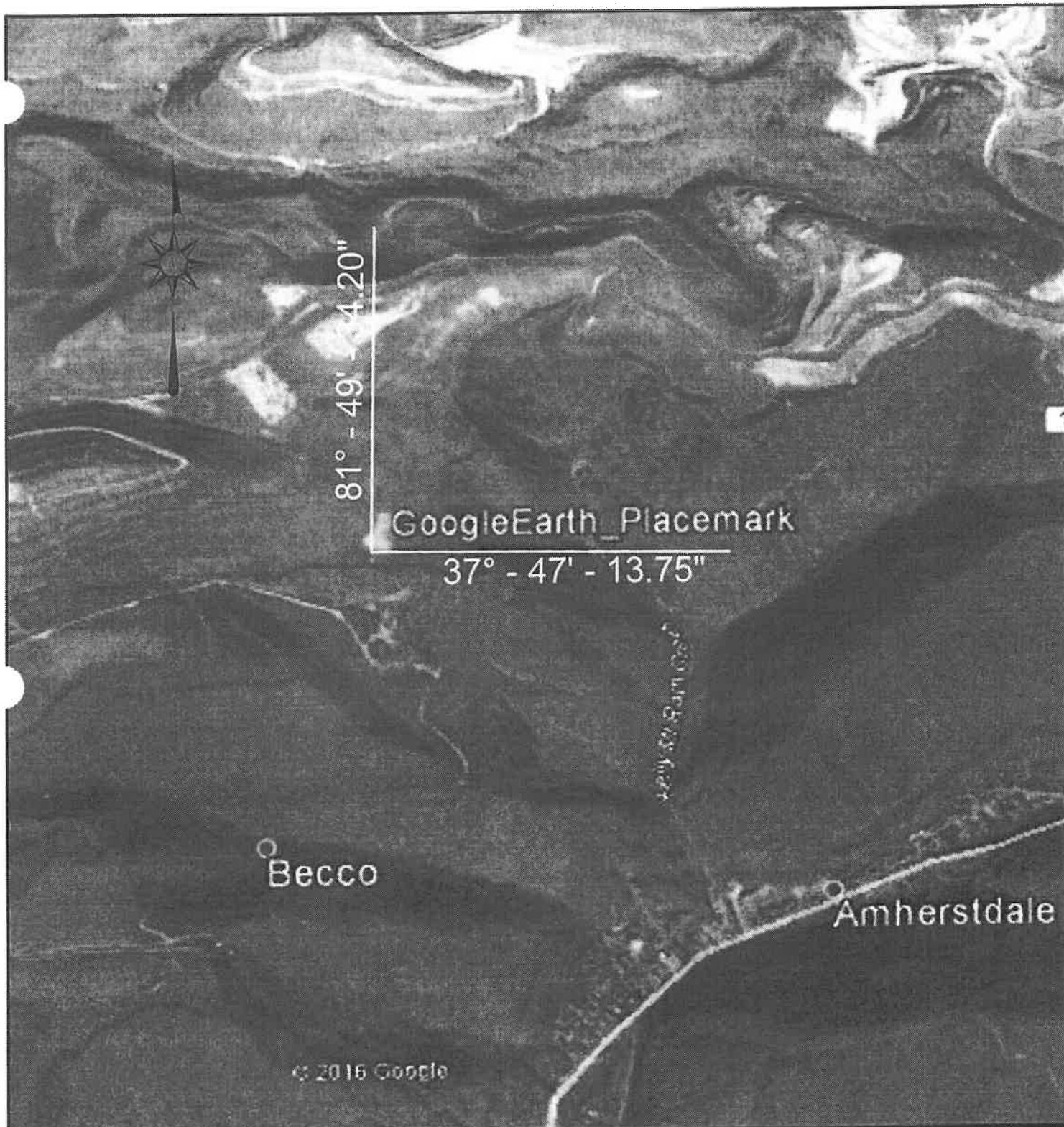
AP-42 emission calculations are to be used for the basis of permit requirements due to lack of EPA data for test results.

ATTACHMENT C

DESCRIPTION OF FUGITIVE EMISSIONS

Potential sources of fugitive particulate emissions for this facility include emissions, which are not captured by pollution control equipment and emissions from open stockpiles and vehicular traffic on unpaved haulroads and work areas. The haulroads and work areas will be controlled by water truck in accordance with section E.6.c.i. of the General Permit. The stockpile areas will be controlled by water truck with pressurized pumps sufficient to control emissions. The water truck will be operated three times daily, and more as needed in dry periods.

An additive to prevent freezing will be utilized in the winter months when freezing conditions are present. New course rock base material will be added to unpaved haulroads as needed.



Hawkeye Mining Company

P.O. Box 1200
Robinson Creek, KY 41560

Rock Crusher

Facility ID Number Pending
Division of Air Quality
Location Map

17013
01/16/17

Prepared by:



ENGINEERS & CONSULTANTS
PO Box 470 Alum Creek, WV 25003 (304) 756-4088

Lon/Lat

Longitude: d m
 s

Latitude: d m
 s

DD: -81.826167 37.787153

Datum: ☐ NAD27 ☒ NAD83

UTM

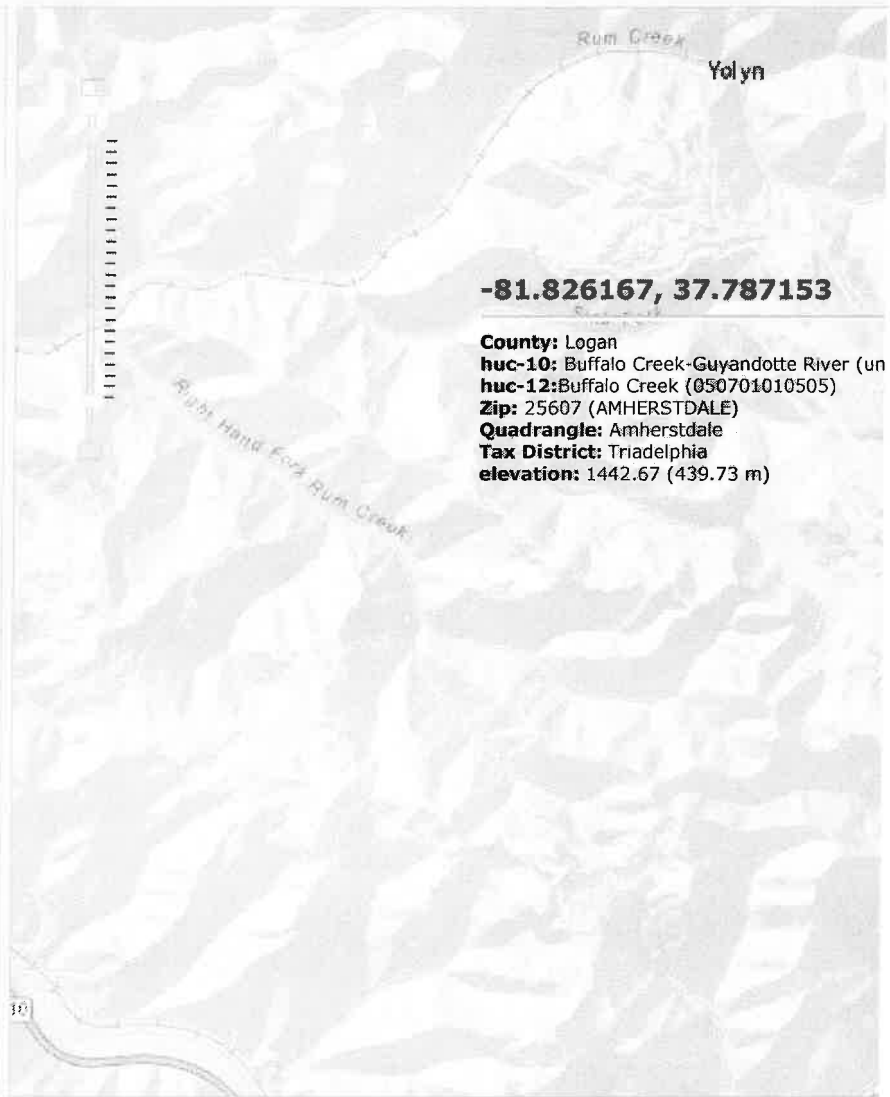
Coordinates: 427254.99 E 4182520.98 N

Datum: ☐ NAD27 Zone:
☒ NAD83 17

WV State Plane (feet)

Coordinates: 1296023.61 E -250962.93 N

Datum: ☐ NAD27 Zone:
☒ NAD83 North

☒ street map☐ image☐ topo



Hawkeye Mining Company

P.O. Box 1200

Robinson Creek, KY 41560

Rock Crusher

Facility ID Number Pending

Division of Air Quality

Location Map

Prepared by:



ENGINEERS & CONSULTANTS
PO Box 470 Alum Creek, WV 25003 (304) 756-4086

17014
01/16/17

Lon/Lat

Longitude: d m S

Latitude: d m S

DD: -81.484000 38.059372

Datum: ☐ NAD27 ☒ NAD83

UTM

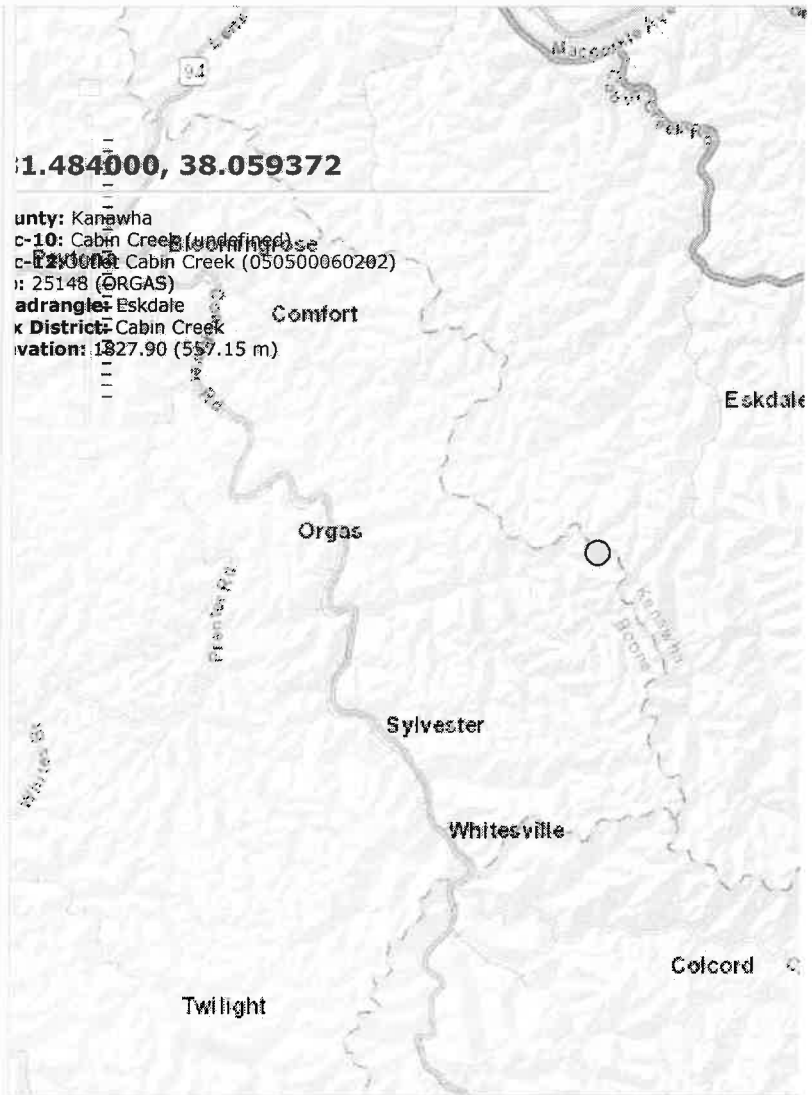
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Datum: ☐ NAD27 ☒ NAD83 Zone: 17

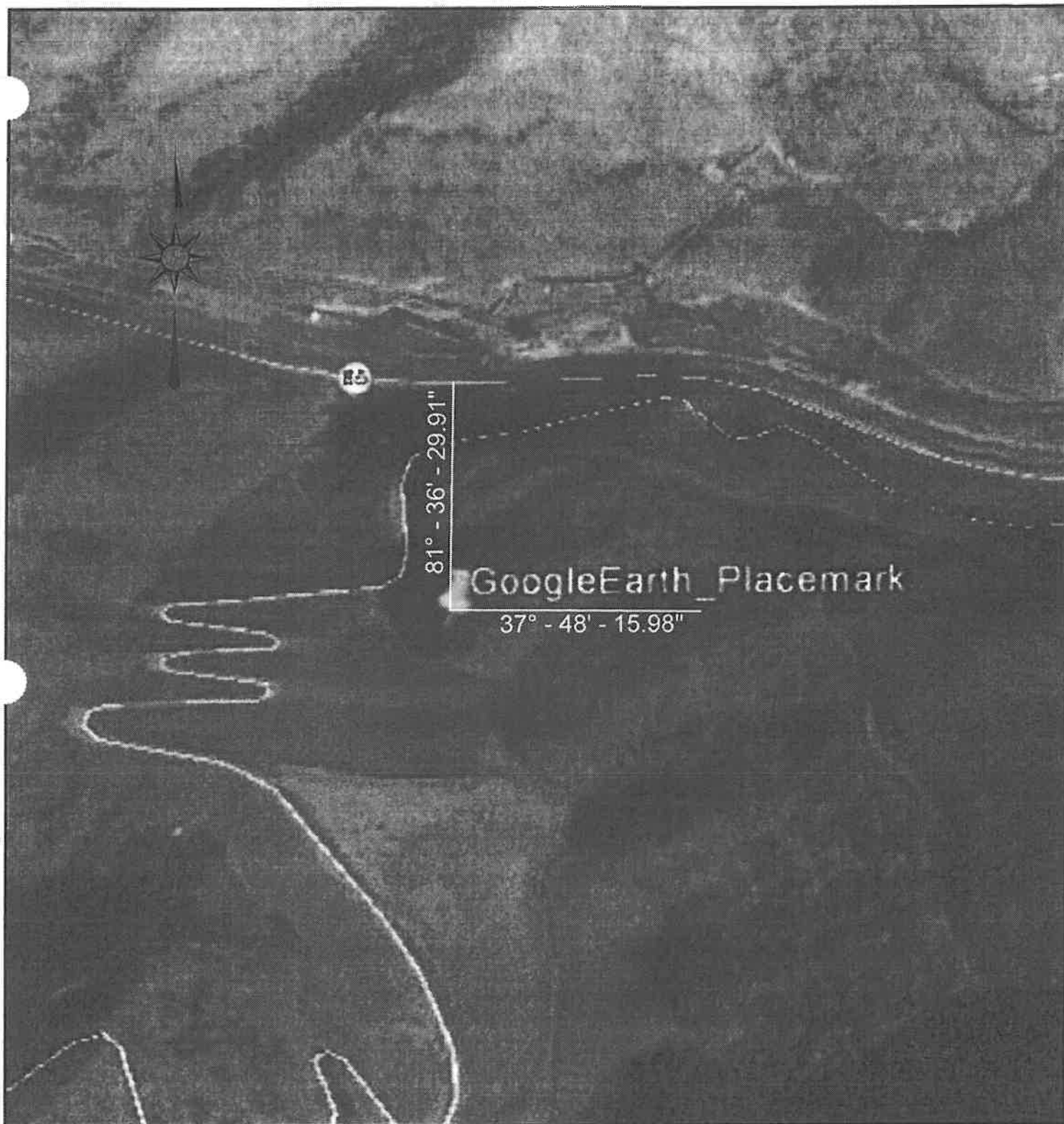
WV State Plane (feet)

Coordinates: 1397113.70 E -154192.20 N

Datum: ☐ NAD27 ☒ NAD83 Zone: North



☒ street map ☐ image ☐ topo



Hawkeye Mining Company

P.O. Box 1200

Robinson Creek, KY 41560

Rock Crusher

Facility ID Number Pending
Division of Air Quality
Location Map

Prepared by:



ENGINEERS & CONSULTANTS
PO Box 470 Alum Creek, WV 25003 (304) 756-4066

17015
01/16/17

Lon/Lat

Longitude: - 81 d 36 m
29.91 s

Latitude: + 37 d 48 m
15.98 s

DD: -81.608308 37.804439

Datum: ☐ NAD27 ☒ NAD83

Convert

UTM

Coordinates: 446450.39 E 4184291.72 N

Datum: ☐ NAD27 ☒ NAD83 Zone: 17

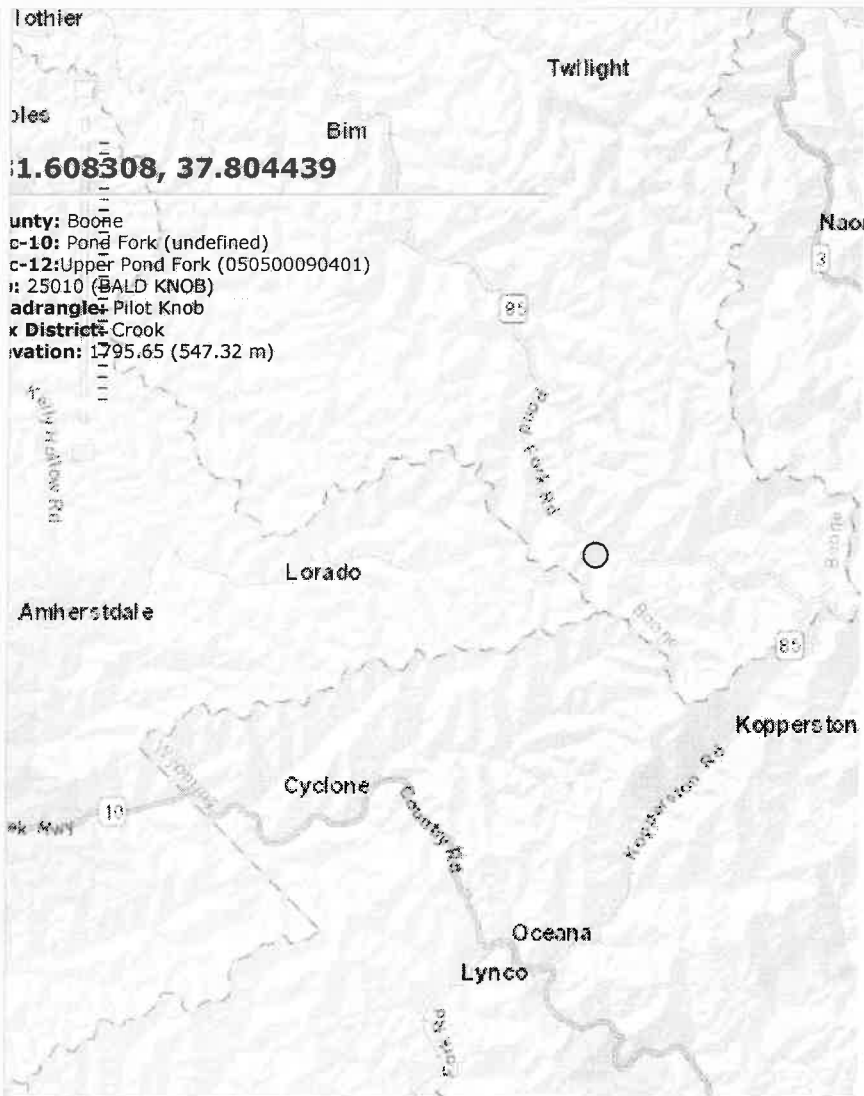
Convert

WV State Plane (feet)

Coordinates: 1359140.36 E -246221.59 N

Datum: ☐ NAD27 ☒ NAD83 Zone: North

Convert



clear markers



street map



image



topo

CRUSHING AND SCREENING AFFECTED SOURCE SHEET

Source Identification Number ¹		SS-01					
Type of Crusher or Screen ²		DD					
Date of Manufacture ³		2015					
Maximum Throughput ⁴	tons/hour	400					
	tons/year	800,000					
Material sized from/to: ⁵		4 x 0					
Average Moisture Content (%) ⁶		3					
Control Device ID Number ⁷		PW					
Baghouse Stack Parameters ⁸	height (ft)	N/A					
	diameter (ft)						
	volume (ACFM)						
	exit temp (°F)						
	UTM Coordinates						
Maximum Operating Schedule ⁹	hours/day	8					
	days/year	250					
	hours/year	2000					
Percentage of Operation ¹⁰	January-March	25					
	April-June	25					
	July-September	25					
	Oct-December	25					

1. Enter the appropriate Source Identification Number for each crusher and screen. For example, in the case of an operation which incorporates multiple crushers, the crushers should be designated CR-1, CR-2, CR-3 etc. beginning with the breaker or primary crusher. Multiple screens should be designated S-1, S-2, S-3 etc.
2. Describe types of crushers and screens using the following codes:

HM Hammermill DR Double Roll Crusher BM Ball Mill RB Rotary Breaker JC Jaw Crusher GC Gyratory Crusher OT Other - Quadroll	SS Stationary Screen SD Single Deck Screen DD Double-Deck Screen TD Triple Deck Screen OT Other
--	---
3. Enter the date that each crusher and screen was manufactured.
4. Enter the maximum throughput for each crusher and screen in tons per hour and tons per year.
5. Describe the nominal material size reduction (e.g. +2" / -_").
6. Enter the average percent moisture content of the material processed.
7. Enter the appropriate Control Device Identification Number for each crusher and screen. Refer to Table A - *Control Device Listing and Control Device Identification Number Instructions* in the *Reference Document* for Control Device ID prefixes and numbering.
8. Enter the appropriate stack parameters if a baghouse control device is used.
9. Enter the maximum operating schedule for each crusher and screen in hours per day, days per year and hours per year.
10. Enter the estimated percentage of operation throughout the year for each crusher and screen.

CRUSHING AND SCREENING AFFECTED SOURCE SHEET

Source Identification Number ¹		CR-01					
Type of Crusher or Screen ²		Jaw					
Date of Manufacture ³		2015					
Maximum Throughput ⁴	tons/hour	400					
	tons/year	800,000					
Material sized from/to: ⁵		6 x 0					
Average Moisture Content (%) ⁶		3					
Control Device ID Number ⁷		FW					
Baghouse Stack Parameters ⁸	height (ft)	N/A					
	diameter (ft)						
	volume (ACFM)						
	exit temp (°F)						
	UTM Coordinates						
Maximum Operating Schedule ⁹	hours/day	8					
	days/year	250					
	hours/year	2000					
Percentage of Operation ¹⁰	January-March	25					
	April-June	25					
	July-September	25					
	Oct-December	25					

1. Enter the appropriate Source Identification Number for each crusher and screen. For example, in the case of an operation which incorporates multiple crushers, the crushers should be designated CR-1, CR-2, CR-3 etc. beginning with the breaker or primary crusher. Multiple screens should be designated S-1, S-2, S-3 etc.
2. Describe types of crushers and screens using the following codes:

HM	Hammermill	SS	Stationary Screen
DR	Double Roll Crusher	SD	Single Deck Screen
BM	Ball Mill	DD	Double-Deck Screen
RB	Rotary Breaker	TD	Triple Deck Screen
JC	Jaw Crusher	OT	Other
GC	Gyratory Crusher		
OT	Other - Quadroll		
3. Enter the date that each crusher and screen was manufactured.
4. Enter the maximum throughput for each crusher and screen in tons per hour and tons per year.
5. Describe the nominal material size reduction (e.g. +2" / -").
6. Enter the average percent moisture content of the material processed.
7. Enter the appropriate Control Device Identification Number for each crusher and screen. Refer to Table A - *Control Device Listing and Control Device Identification Number Instructions* in the *Reference Document* for Control Device ID prefixes and numbering.
8. Enter the appropriate stack parameters if a baghouse control device is used.
9. Enter the maximum operating schedule for each crusher and screen in hours per day, days per year and hours per year.
10. Enter the estimated percentage of operation throughout the year for each crusher and screen.

CONVEYING AFFECTED SOURCE SHEET

[illegible]

STORAGE ACTIVITY AFFECTED SOURCE SHEET

Source Identification Number ¹	BS-01	BS-02			
Type of Material Stored ²	Rock	Rock			
Average Moisture Content (%) ³	3	3			
Maximum Yearly Storage Throughput (tons) ⁴	800,000	800,000			
Maximum Storage Capacity (tons) ⁵	10	10			
Maximum Base Area (ft ²) ⁶					
Maximum Pile Height (ft) ⁷					
Method of Material Load-in ⁸	Endloader	Endloader			
Load-in Control Device Identification Number ⁹	UD-PW	UD-PW			
Storage Control Device Identification Number ⁹	PW	PW			
Method of Material Load-out ⁸	SS	SS			
Load-out Control Device Identification Number ⁹	TC-PE	TC-PE			

1. Enter the appropriate Source Identification Number for each storage activity using the following codes. For example, if the facility utilizes three storage bins, four open stockpiles and one storage building (full enclosure), the Source Identification Numbers should be BS-1, BS-2, and BS-3; OS-1, OS-2, OS-3, and OS-4; and SB-1, respectively.

BS Bin or Storage Silo (full enclosure)

OS Open Stockpile

SF Stockpiles with wind fences

E3 Enclosure (three sided enclosure)

SB Storage Building (full enclosure)

OT Other

2. Describe the type of material stored or stockpiled (e.g. clean coal, raw coal, refuse, etc).

3. Enter the average percent moisture content of the stored material.

4. Enter the maximum yearly storage throughput for each storage activity.

5. Enter the maximum storage capacity for each storage activity in tons (e.g. silo capacity, maximum stockpile size, etc.)

6. For stockpiles, enter the maximum stockpile base area.

7. For stockpiles, enter the maximum stockpile height.

8. Enter the method of load-in or load-out to/from stockpiles or bins using the following codes:

CS Clamshell

FC Fixed Height Chute from Bins

FE Front Endloader

MC Mobile Conveyor/Stacker

UC Under-pile or Under-Bin Reclaim Conveyor

RC Rake or Bucket Reclaim Conveyor

SS Stationary Conveyor/Stacker

ST Stacking Tube

TC Telescoping Chute from Bins

TD Truck Dump

PC Pneumatic Conveyor/Stacker

OT Other

STORAGE ACTIVITY AFFECTED SOURCE SHEET

Source Identification Number ¹	OS-01	OS-02	OS-03	OS-04	OS-05
Type of Material Stored ²	Rock	Rock	Rock	Rock	Rock
Average Moisture Content (%) ³	3	3	3	3	3
Maximum Yearly Storage Throughput (tons) ⁴	800,000	800,000	800,000	800,000	800,000
Maximum Storage Capacity (tons) ⁵	5,000	5,000	5,000	5,000	5,000
Maximum Base Area (ft ²) ⁶	8,869	8,869	8,869	8,869	8,869
Maximum Pile Height (ft) ⁷	20	20	20	20	20
Method of Material Load-in ⁸	SS	SS	SS	SS	SS
Load-in Control Device Identification Number ⁹	TC-MDH	TC-MDH	TC-MDH	TC-MDH	TC-MDH
Storage Control Device Identification Number ⁹	SW-WS	SW-WS	SW-WS	SW-WS	SW-WS
Method of Material Load-out ⁸	Loader	Loader	Loader	Loader	Loader
Load-out Control Device Identification Number ⁹	LO-MDH	LO-MDH	LO-MDH	LO-MDH	LO-MDH

1. Enter the appropriate Source Identification Number for each storage activity using the following codes. For example, if the facility utilizes three storage bins, four open stockpiles and one storage building (full enclosure), the Source Identification Numbers should be BS-1, BS-2, and BS-3; OS-1, OS-2, OS-3, and OS-4; and SB-1, respectively.

BS Bin or Storage Silo (full enclosure)	E3 Enclosure (three sided enclosure)
OS Open Stockpile	SB Storage Building (full enclosure)
SF Stockpiles with wind fences	OT Other
2. Describe the type of material stored or stockpiled (e.g. clean coal, raw coal, refuse, etc).
3. Enter the average percent moisture content of the stored material.
4. Enter the maximum yearly storage throughput for each storage activity.
5. Enter the maximum storage capacity for each storage activity in tons (e.g. silo capacity, maximum stockpile size, etc.)
6. For stockpiles, enter the maximum stockpile base area.
7. For stockpiles, enter the maximum stockpile height.
8. Enter the method of load-in or load-out to/from stockpiles or bins using the following codes:

CS Clamshell	SS Stationary Conveyor/Stacker
FC Fixed Height Chute from Bins	ST Stacking Tube
FE Front Endloader	TC Telescoping Chute from Bins
MC Mobile Conveyor/Stacker	TD Truck Dump
UC Under-pile or Under-Bin Reclaim Conveyor	PC Pneumatic Conveyor/Stacker
RC Rake or Bucket Reclaim Conveyor	OT Other

1. Baghouse Control Device Identification Number: _____
2. Manufacturer's name and model identification: _____
3. Number of compartments in baghouse: _____
4. Number of compartments online during normal operation and conditions: _____
5. Gas flow rate into baghouse: _____ ACFM @ _____ °F and _____ PSIA
6. Total cloth area: _____ ft²
7. Operating air to cloth ratio: _____ ft/min
8. Filter media type: _____
9. Stabilized static pressure drop across baghouse: _____ inches H₂O
10. Baghouse operation is:
☐ Continuous ☐ Automatic ☐ Intermittent
11. Method used to clean bags:
☐ Shaker ☐ Pulse jet ☐ Reverse jet ☐ Other
12. Emission rate of particulate matter entering and exiting baghouse at maximum design operating conditions:
Entering baghouse: _____ lb/hr and _____ grains/ACF
Exiting baghouse: _____ lb/hr and _____ grains/ACF
13. Guaranteed minimum baghouse collection efficiency: _____ %
14. Provide a written description of the capture system (e.g. hooding and ductwork arrangement), size of ductwork and hoods and air volume, capacity and operating horsepower of fan: _____
15. Describe the method of disposal for the collected material: _____



English

Español

Select Language ▼

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Diesel Fuel Consumption Chart

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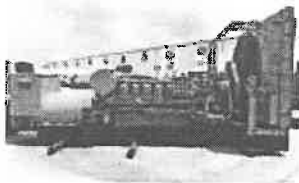
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Approximate Diesel Fuel Consumption Chart

This chart approximates the fuel consumption of a diesel generator based on the size of the generator and the load at which the generator is operating at. Please note that this table is intended to be used as an estimate of how much fuel a generator uses during operation and is not an exact representation due to various factors that can increase or decrease the amount of fuel consumed.

[Download the Diesel Fuel Consumption Chart as a PDF](#)

Generator Size (kW)	1/4 Load (gal/hr)	1/2 Load (gal/hr)	3/4 Load (gal/hr)	Full Load (gal/hr)
20	0.6	0.9	1.3	1.6
30	1.3	1.8	2.4	2.9
40	1.6	2.3	3.2	4.0
60	1.8	2.9	3.8	4.8
75	2.4	3.4	4.6	5.1
100	2.6	4.1	5.8	7.4
125	3.1	5.0	7.1	9.1
135	3.3	5.4	7.6	9.8
150	3.6	5.9	8.4	10.9
175	4.1	6.8	9.7	12.7
200	4.7	7.7	11.0	14.4
230	5.3	8.8	12.5	16.6
250	5.7	9.5	13.6	18.0
300	6.8	11.3	16.1	21.5
350	7.9	13.1	18.7	25.1
400	8.9	14.9	21.3	28.6
500	11.0	18.5	26.4	35.7
600	13.2	22.0	31.5	42.8
750	16.3	27.4	39.3	53.4
1000	21.6	36.4	52.1	71.1
1250	26.9	45.3	66.0	88.8
1500	32.2	54.3	77.8	106.5
1750	37.5	63.2	90.7	124.2
2000	42.8	72.2	103.5	141.9
2250	48.1	81.1	116.4	159.6

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**HAWKEYE CONTRACTING
ROCK CRUSHING PLANT**

**ID No. Pending
Powerscreen XA400S
CAT 4.4 Engine**

TERIA POLLUTANTS

AP-42 5th Edition Section 3.3 Gasoline and Diesel Industrial Engines (10/96) - Table 3.3-1 for Diesel Fuel

	83	kW
Caterpillar C4.4 Diesel Fuel Engine	111	hp
Max. Hours of Operation (8 hrs/day, 5 days/week, 50 weeks/year)	2000	hrs/year
Heating Value for diesel	19300	Btu/gal

E (hourly) = Emission Factor (lb/hp-hr) * Horse Power (hp)

E (annual) = Emission Factor (lb/hp-hr) * Horse Power (hp) * Maximum Hours of Operation * 1 ton
per 2000 lb

Pollutant		Emission Factor (lb/hp-hr)	Emission Factor (lb/MMBtu)	Rating	lb/hour	TPY
NOx	AP42	0.03100	4.41	D	3.4410	3.441
CO	AP42	0.00668	0.95	D	0.7415	0.741
SOx	AP42	0.00205	0.29	D	0.2276	0.228
PM/PM10	AP42	0.00220	0.31	D	0.2442	0.244
VOC	AP42	0.00247	0.35	D	0.2742	0.274

42 5th Edition Section 3.3 Gasoline and Diesel Industrial Engines (10/96) - Table 3.3-2
40 CSR30 Table 45-30A Hazardous Air Pollutants

E (hourly) = Emission Factor (lb/hp-hr) * Horse Power (hp)
 E (annual) = Emission Factor (lb/hp-hr) * Horse Power (hp) * Maximum Hours of Operation * 1 ton
 per 2000 lb

CAS NO.		Emission Factor (lb/MMBtu)	Rating	Ib/hour	TPY
71-43-2	Benzene	0.000933	E	0.00093	0.000931
108-88-3	Toluene	0.000409	E	0.00041	0.000408
	Xylenes	0.000285	E	0.00028	0.000285
	1,3-Butadiene	0.0000391	E	3.9E-05	3.9E-05
50-00-0	Formaldehyde	0.00118	E	0.00118	0.001178
	Acetaldehyde	0.000767	E	0.00077	0.000766
	Acrolein	0.0000925	E	9.2E-05	9.23E-05
91-20-3	Naphthalene	0.0000848	E	8.5E-05	8.47E-05

Burning diesel fuel:	Total HAPs	0.00378	0.003784
		lb/hour	TPY

INPUTS

Page 1

Include all information for each emission source and transfer point as listed in the permit application.

Name of applicant:	Hawkeye Contracting
Name of plant:	Rock Crusher
	Jan-17

1. CRUSHING AND SCREENING (including all primary and secondary crushers and screens)

1a. PRIMARY CRUSHING

Primary Crusher ID Number	Description	Maximum Material Processing Capacity		Control Device	Control Efficiency
		TPH	TPY	ID Number	%
CR-01	CRUSHER	400	800,000	FE	80

1b. SECONDARY AND TERTIARY CRUSHING

[illegible]

1c. SCREENING

[illegible]

Page 2

		PM	PM-10
k =	Particle Size Multiplier (dimensionless)	0.0029	0.0014
U =	Mean Wind Speed (mph)	7	

[illegible]

3. WIND EROSION OF STOCKPILES (including all stockpiles of raw coal, clean coal, coal refuse, etc.)

Page 3

p =	number of days per year with precipitation >0.01 inch	157
f =	percentage of time that the unobstructed wind speed exceeds 12 mph at the mean pile height	20

Source ID No.	Stockpile Description	Silt Content of Material %	Stockpile base area Max. sqft	Control Device ID Number	Control Efficiency %
OS-01	1" stone	10	8,869	SW-WS	75
OS-02	2" Stone	10	8,869	SW-WS	75
OS-03	1" stone	10	8,869	SW-WS	75
OS-04	2" Stone	10	8,869	SW-WS	75
OS-05	3" stone	10	8,869	SW-WS	75

4. UNPAVED HAULROADS (including all equipment traffic involved in process, haul trucks, endloaders, etc.)

s =	silt content of road surface material (%)	10
p =	number of days per year with precipitation >0.01 inch	157
M _{dry} =	surface material moisture content (%) - dry conditions	0.2

Item Number	Description	Number of wheels	Mean Vehicle Weight(tons)	Mean Vehicle Speed (mph)	Miles per Trip	Maximum Trips Per Hour	Maximum Trips Per Year	Control Device ID Number	Control Efficiency %
1									
2	Rock Out 800,000	10	25	15	1	16	32,000	HR-WS	70
3	Endloader 800,000	4	20	5	0.01	20	40,000	HR-WS	70
4									
5									
6									
7									
8									

5. INDUSTRIAL PAVED HAULROADS (including all equipment traffic involved in process, haul trucks, endloaders, etc.)

sL =	road surface silt loading, (g/m ²)	70
P =	number of days per year with precipitation >0.01 inch	157

Item Number	Description	Mean Vehicle Weight (tons)	Miles per Trip	Maximum Trips Per Hour	Maximum Trips Per Year	Control Device ID Number	Control Efficiency %
1							
2							
3							
4							
5							
6							
7							
8							

EMISSIONS SUMMARY

Name of applicant: Hawkeye Contracting
 Name of plant: Rock Crusher

Particulate Matter or PM (for 45CSR14 Major Source Determination)

Uncontrolled PM		Controlled PM	
lb/hr	TPY	lb/hr	TPY

FUGITIVE EMISSIONS				
<i>Stockpile Emissions</i>	0.57	2.48	0.14	0.62
<i>Unpaved Haulroad Emissions</i>	230.03	230.03	69.01	69.01
<i>Paved Haulroad Emissions</i>	0.00	0.00	0.00	0.00
Fugitive Emissions Total	230.60	232.51	69.15	69.63

POINT SOURCE EMISSIONS				
<i>Equipment Emissions</i>	12.88	12.88	2.58	2.58
<i>Transfer Point Emissions</i>	0.07	0.07	0.04	0.04
Point Source Emissions Total*	12.95	12.95	2.62	2.62
*Note: Point Source Total Controlled PM TPY emissions is used for 45CSR14 Major Source determination (see below)				

Facility Emissions Total	243.55	245.47	71.77	72.25
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***Facility Potential to Emit (PTE) (Baseline Emissions) = 2.62**
 (Based on Point Source Total controlled PM TPY emissions from above) ENTER ON LINE 26 OF APPLICATION

Particulate Matter under 10 microns, or PM-10 (for 45CSR30 Major Source Determination)

Uncontrolled PM-10		Controlled PM-10	
lb/hr	TPY	lb/hr	TPY

FUGITIVE EMISSIONS				
<i>Stockpile Emissions</i>	0.27	1.17	0.07	0.29
<i>Unpaved Haulroad Emissions</i>	48.39	48.39	14.52	14.52
<i>Paved Haulroad Emissions</i>	0.00	0.00	0.00	0.00
Fugitive Emissions Total	48.66	49.56	14.58	14.81

POINT SOURCE EMISSIONS				
<i>Equipment Emissions</i>	6.13	6.13	1.23	1.23
<i>Transfer Point Emissions</i>	0.03	0.03	0.02	0.02
Point Source Emissions Total*	6.17	6.17	1.25	1.25
*Note: Point Source Total Controlled PM-10 TPY emissions is used for 45CSR30 Major Source determination				

Facility Emissions Total	54.83	55.73	15.83	16.06
---------------------------------	--------------	--------------	--------------	--------------

Page 1

Primary Crusher ID Number	PM				PM-10			
	Uncontrolled		Controlled		Uncontrolled		Controlled	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
CR-01	0.28	0.28	0.06	0.06	0.13	0.13	0.03	0.03
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	0.28	0.28	0.06	0.06	0.13	0.13	0.03	0.03

[illegible]

Screen ID Number	PM				PM-10			
	Uncontrolled		Controlled		Uncontrolled		Controlled	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
SS-01	12.60	12.60	2.52	2.52	6.00	6.00	1.20	1.20
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	12.60	12.60	2.52	2.52	6.00	6.00	1.20	1.20

Crushing and Screening	PM				PM-10			
	Uncontrolled		Controlled		Uncontrolled		Controlled	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
TOTAL	12.88	12.88	2.58	2.58	6.13	6.13	1.23	1.23

1. Emissions From CRUSHING AND SCREENING (Continued)

Page 2

EMISSION FACTORS

source: AP42, Fifth Edition, Revised 01/95

(lb/ton of material throughput)

PM	
Primary Crushing	0.0007
Tertiary Crushing	0.00504
Screening	0.0315

PM-10	
Primary Crushing	0.000333
Tertiary Crushing	0.0024
Screening	0.015

2. Emissions From TRANSFER POINTS

[illegible]

2. Emissions From TRANSFER POINTS (continued)

Transfer Point ID No.	PM				PM-10			
	Uncontrolled		Controlled		Uncontrolled		Controlled	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	0.07	0.07	0.04	0.04	0.03	0.03	0.02	0.02

Source:

AP-42 Fifth Edition

13.2.4 Aggregate Handling and Storage Piles

Emissions From Batch Drop

$$E = k \cdot (0.0032) \cdot [(U/5)^{1.3}] / [(M/2)^{1.4}] = \text{pounds/ton}$$

Where:

		PM	PM-10
k =	Particle Size Multiplier (dimensionless)	0.0029	0.0014
U =	Mean Wind Speed (mph)		
M =	Material Moisture Content (%)		

Assumptions:

k - Particle size multiplier

For PM (< or equal to 30um) k = 0.0029

For PM-10 (< or equal to 10um) k = 0.0014

For PM $E(M) = 1.437E-05 \cdot [1 / ((M/2)^{1.4})] = \text{pounds/ton}$

For PM-10 $E(M) = 6.938E-06 \cdot [1 / ((M/2)^{1.4})] = \text{pounds/ton}$

For lb/hr $[\text{lb/ton}] \cdot [\text{ton/hr}] = [\text{lb/hr}]$

For Tons/year $[\text{lb/ton}] \cdot [\text{ton/yr}] \cdot [\text{ton/2000lb}] = [\text{ton/yr}]$

3. Emissions From WIND EROSION OF STOCKPILES

Stockpile ID No.	PM				PM-10			
	Uncontrolled		Controlled		Uncontrolled		Controlled	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
OS-01	0.11	0.50	0.03	0.12	0.05	0.23	0.01	0.06
OS-02	0.11	0.50	0.03	0.12	0.05	0.23	0.01	0.06
OS-03	0.11	0.50	0.03	0.12	0.05	0.23	0.01	0.06
OS-04	0.11	0.50	0.03	0.12	0.05	0.23	0.01	0.06
OS-05	0.11	0.50	0.03	0.12	0.05	0.23	0.01	0.06
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	0.57	2.48	0.14	0.62	0.27	1.17	0.07	0.29

Source:

Air Pollution Engineering Manual

Storage Pile Wind Erosion (Active Storage)

$$E = 1.7 * [s/1.5] * [(365-p)/235] * [f/15] = (\text{lb/day/acre})$$

Where:

s =	silt content of material
p =	number of days with >0.01 inch of precipitation per year
f =	percentage of time that the unobstructed wind speed
	exceeds 12 mph at the mean pile height

For PM $E(s) = 1.3374941 * s = \text{lb/day/acre}$

For PM-10 $E(s) = 0.6286222 * s = \text{lb/day/acre}$

For lb/hr $[\text{lb/day/acre}] * [\text{day/24hr}] * [\text{base area of pile (acres)}] = \text{lb/hr}$

For Ton/yr $[\text{lb/day/acre}] * [365\text{day/yr}] * [\text{Ton/2000lb}] * [\text{base area of pile (acres)}] = \text{Ton/yr}$

4. Emissions From UNPAVED HAULROADS

Item No.	PM				PM-10			
	Uncontrolled		Controlled		Uncontrolled		Controlled	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	227.49	227.49	68.25	68.25	47.85	47.85	14.35	14.35
3	2.54	2.54	0.76	0.76	0.55	0.55	0.16	0.16
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	230.03	230.03	69.01	69.01	48.39	48.39	14.52	14.52

Source:

AP-42 9/98 Edition

13.2.2 Unpaved Roads

Emission Estimate For Unpaved Haulroads at Industrial Sites (equation 1)

$$E = [(k \cdot (s/12)^a \cdot (W/3)^b) / ((M_{dry}/0.2)^c)] \cdot [(365-p)/365] = \text{lb / Vehicle Mile Traveled (VMT)}$$

Where:

		PM	PM-10
k =	particle size multiplier	10.00	2.60
a =	empirical constant	0.8	0.8
b =	empirical constant	0.5	0.4
c =	empirical constant	0.4	0.3
M _{dry} =	surface material moisture content (%) - dry conditions	0.2	
p =	number of days with at least 0.01 inches of precipitation	157	
s =	silt content of road surface material (%)	10	
W =	Mean vehicle weight (tons)		

5. Emissions From INDUSTRIAL PAVED HAULROADS

Item No.	PM				PM-10			
	Uncontrolled		Controlled		Uncontrolled		Controlled	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source:

AP-42 10/01 Edition

13.2.1 PAVED ROADS

Emission Estimate For Paved Haulroads

$$E = k * [sL/2]^{0.65} * [W/3]^{1.5} * [1 - (P / (2*N))] = \text{lb / Vehicle Mile Traveled (VMT)}$$

Where:

		PM	PM-10
k =	particle size multiplier	0.082	0.016
sL =	road surface silt loading, (g/m ²)	70	
P =	number of days per year with precipitation >0.01 inch	157	
N =	number of days in averaging period	365	
W =	average vehicle weight, (ton)		

Legal Advertisement

**AIR QUALITY PERMIT NOTICE
Notice of Application**

Notice is given that Hawkeye Contracting Company, LLC has applied to the West Virginia Department of Environmental Protection, Division of Air Quality, for a General Permit Registration for a Rock Crushing and Screening Plant System to be located on Huff Creek Surface Mine, near Wharton in Boone County, West Virginia. The facility coordinates are as follows: latitude 37.804439 and longitude -81.608308.

The applicant estimates the potential to discharge the following Regulated Air Pollutants from the diesel combustion engine will be: criteria pollutants for the engine is estimated to be: NO_x 3.441 tons per year, CO 0.741 tons per year, VOC 0.274 tons per year, SO_x 0.228 tons per year and PM₁₀ 0.244 tons per year. The potential to emit hazardous pollutants from the engine is estimated to be: Benzene 0.000931 tons per year, Toluene 0.000408 tons per year, Xylene 0.000285 tons per year, Acetaldehyde 0.000766 tons per year, and Formaldehyde 0.001178 tons per year.

The applicant estimates the potential to discharge the following Regulated Air Pollutants associated with the operation of the crushing/screening plant will be: facility particulate matter potential to emit baseline emissions of 3 tons per year, particulate matter less than 10 microns emissions total of 1 tons per year and particulate matter facility emissions total of 72 tons per year.

Startup of operation is planned to begin upon permit approval. Written comments will be received by the West Virginia Department of Environmental Protection, Division of Air Quality, 601 57th Street, SE, Charleston, WV 25304, for at least 30 calendar days from the date of publication of this notice.

Any questions regarding this permit application should be directed to the DAQ at (304) 926-0499, extension 1250, during normal business hours.

Dated this the 25th day of January 2017

By: Hawkeye Contracting Company, LLC
Mark R. Rowe
Chief Operating Officer
PO Box 1200
Robinson Creek, KY 41560

Legal Advertisement

**AIR QUALITY PERMIT NOTICE
Notice of Application**

Notice is given that Hawkeye Contracting Company, LLC has applied to the West Virginia Department of Environmental Protection, Division of Air Quality, for a General Permit Registration for a Rock Crushing and Screening Plant System to be located on Panther Creek Surface Mine, near Eskdale in Kanawha County, West Virginia. The facility coordinates are as follows: latitude 38.059372 and longitude -81.484000.

The applicant estimates the potential to discharge the following Regulated Air Pollutants from the diesel combustion engine will be: criteria pollutants for the engine is estimated to be: NO_x 3.441 tons per year, CO 0.741 tons per year, VOC 0.274 tons per year, SO_x 0.228 tons per year and PM₁₀ 0.244 tons per year. The potential to emit hazardous pollutants from the engine is estimated to be: Benzene 0.000931 tons per year, Toluene 0.000408 tons per year, Xylene 0.000285 tons per year, Acetaldehyde 0.000766 tons per year, and Formaldehyde 0.001178 tons per year.

The applicant estimates the potential to discharge the following Regulated Air Pollutants associated with the operation of the crushing/screening plant will be: facility particulate matter potential to emit baseline emissions of 3 tons per year, particulate matter less than 10 microns emissions total of 1 tons per year and particulate matter facility emissions total of 72 tons per year.

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Dated this the 25th day of January 2017

By: Hawkeye Contracting Company, LLC
Mark R. Rowe
Chief Operating Officer
PO Box 1200
Robinson Creek, KY 41560

Legal Advertisement

**AIR QUALITY PERMIT NOTICE
Notice of Application**

Notice is given that Hawkeye Contracting Company, LLC has applied to the West Virginia Department of Environmental Protection, Division of Air Quality, for a General Permit Registration for a Rock Crushing and Screening Plant System to be located on Guyan Surface Mine, near Amherstdale in Logan County, West Virginia. The facility coordinates are as follows: latitude 37.787153 and longitude -81.826167.

The applicant estimates the potential to discharge the following Regulated Air Pollutants from the diesel combustion engine will be: criteria pollutants for the engine is estimated to be: NOx 3.441 tons per year, CO 0.741 tons per year, VOC 0.274 tons per year, SOx 0.228 tons per year and PM10 0.244 tons per year. The potential to emit hazardous pollutants from the engine is estimated to be: Benzene 0.000931 tons per year, Toluene 0.000408 tons per year, Xylene 0.000285 tons per year, Acetaldehyde 0.000766 tons per year, and Formaldehyde 0.001178 tons per year.

The applicant estimates the potential to discharge the following Regulated Air Pollutants associated with the operation of the crushing/screening plant will be: facility particulate matter potential to emit baseline emissions of 3 tons per year, particulate matter less than 10 microns emissions total of 1 tons per year and particulate matter facility emissions total of 72 tons per year.

Startup of operation is planned to begin upon permit approval. Written comments will be received by the West Virginia Department of Environmental Protection, Division of Air Quality, 601 57th Street, SE, Charleston, WV 25304, for at least 30 calendar days from the date of publication of this notice.

Any questions regarding this permit application should be directed to the DAQ at (304) 926-0499, extension 1250, during normal business hours.

Dated this the 25th day of January 2017

By: Hawkeye Contracting Company, LLC
Mark R. Rowe
Chief Operating Officer
PO Box 1200
Robinson Creek, KY 41560

ATTACHMENT K

**ELECTRONIC SUBMITTAL DISK
LOCATED IN ORIGINAL AND COPY**

SECTION IV. CERTIFICATION OF INFORMATION

This General Permit Registration Application shall be signed below by a Responsible Official. A Responsible Official is a President, Vice President, Secretary, Treasurer, General Partner, General Manager, a member of a Board of Directors, or Owner, depending on business structure. A business may certify an Authorized Representative who shall have authority to bind the Corporation, Partnership, Limited Liability Company, Association, Joint Venture or Sole Proprietorship. Required records of daily throughput, hours of operation and maintenance, general correspondence, Emission Inventory, Certified Emission Statement, compliance certifications and all required notifications must be signed by a Responsible Official or an Authorized Representative. If a business wishes to certify an Authorized Representative, the official agreement below shall be checked off and the appropriate names and signatures entered. Any administratively incomplete or improperly signed or unsigned Registration Application will be returned to the applicant.

FOR A CORPORATION (domestic or foreign)

G I certify that I am a President, Vice President, Secretary, Treasurer or in charge of a principal business function of the corporation

FOR A PARTNERSHIP

G I certify that I am a General Partner

FOR A LIMITED LIABILITY COMPANY

■ I certify that I am a General Partner or General Manager

FOR AN ASSOCIATION

G I certify that I am the President or a member of the Board of Directors

FOR A JOINT VENTURE

G I certify that I am the President, General Partner or General Manager

FOR A SOLE PROPRIETORSHIP

G I certify that I am the Owner and Proprietor

is an Authorized Representative and in that capacity shall represent the interest of the business (e.g., Corporation, Partnership, Limited Liability Company, Association Joint Venture or Sole Proprietorship) and may obligate and legally bind the business. If the business changes its Authorized Representative, a Responsible Official shall notify the Chief of the Office of Air Quality immediately, and/or,

I hereby certify that all information contained in this General Permit Registration Application and any supporting documents appended hereto is, to the best of my knowledge, true, accurate and complete, and that all reasonable efforts have been made to provide the most comprehensive information possible

Signature

(please use blue ink)

MR R Rowe

Responsible Official

01/16/17

Date

Name & Title: **MARK R. ROWE, COO**

(please print or type)

Signature

(please use blue ink)

Authorized Representative (if applicable)

Date

Applicant's Name: **HAWKEYE CONTRACTING COMPANY LLC**

Phone: **606-509-3320**

Email: **rowe@jmpholdingsllc.com**

SECTION III. ATTACHMENTS AND SUPPORTING DOCUMENTS

PLEASE CHECK ALL ATTACHMENTS INCLUDED WITH THIS PERMIT APPLICATION:

Please See the appropriate reference document for an explanation of the attachments listed below.

- ☐ **ATTACHMENT A : CURRENT BUSINESS CERTIFICATE**
- ☐ **ATTACHMENT B: PROCESS DESCRIPTION**
- ☐ **ATTACHMENT C: DESCRIPTION OF FUGITIVE EMISSIONS**
- ☐ **ATTACHMENT D: PROCESS FLOW DIAGRAM**
- ☐ **ATTACHMENT E: PLOT PLAN**
- ☐ **ATTACHMENT F: AREA MAP**
- ☐ **ATTACHMENT G: AFFECTED SOURCE SHEETS**
- ☐ **ATTACHMENT H: BAGHOUSE AIR POLLUTION CONTROL DEVICE SHEET**
- ☐ **ATTACHMENT I: EMISSIONS CALCULATIONS**
- ☐ **ATTACHMENT J: CLASS I LEGAL ADVERTISEMENT**
- ☐ **ATTACHMENT K: ELECTRONIC SUBMITTAL DISKETTE**
- ☐ **CERTIFICATION OF INFORMATION**
- ☐ **APPLICATION FEE**

PLEASE MAIL AN ORIGINAL AND TWO COPIES OF THE COMPLETE GENERAL PERMIT REGISTRATION APPLICATION WITH THE SIGNATURE(S) TO THE DAQ PERMITTING SECTION AT THE ADDRESS SHOWN ON THE FRONT PAGE. PLEASE DO NOT FAX PERMIT APPLICATIONS. FOR QUESTIONS REGARDING APPLICATIONS OR WEST VIRGINIA AIR POLLUTION RULES AND REGULATIONS PLEASE CALL (304) 926-3727.

ENGINE DATA SHEET

Source Identification Number ¹		E1					
Engine Manufacturer and Model		CatC4.4					
Manufacturer's Rated bhp/rpm		111/2200					
Source Status ²		A/F					
Date Installed/Modified/Removed (Month/Year) ³		2017					
Engine Manufactured/Reconstruction Date ⁴		2015					
Is this a Certified Stationary Spark Ignition Engine according to 40CFR60 Subpart IIII? (Yes or No) ⁵		YES					
Is this a Certified Stationary Spark Ignition Engine according to 40CFR60 Subpart JJJJ? (Yes or No) ⁶		No					
Engine, Fuel and Combustion Data	Engine Type	4 Stroke					
	APCD Type ⁸	N/A					
	Fuel Type ⁹	Diesel					
	H ₂ S (gr/100 scf)	N/A					
	Operating bhp/rpm	111/2200					
	BSFC (Btu/bhp-hr)	N/A					
	Fuel throughput (ft ³ /hr)	7.4 GPH					
	Fuel throughput (MMft ³ /yr)	14800GPY					
	Operation (hrs/yr)	2000					
Reference ¹⁰	Potential Emissions ¹¹	lbs/hr	tons/yr				
	NO _x	3.4410	3.441				
	CO	0.7415	0.741				
	VOC	0.2742	0.274				
	SO ₂	0.2276	0.228				
	PM ₁₀	0.2442	0.244				
	Formaldehyde	0.00118	0.001178				
*							

1. Enter the appropriate Source Identification Number for each reciprocating internal combustion compressor/generator engine located at the facility. Multiple compressor engines should be designated CE-1, CE-2, CE-3 etc. Emergency Generator engines should be designated EG-1, EG-2, EG-3 etc. If more than three (3) engines exist, please use additional sheets.

2. Enter the Source Status using the following codes:

NS Construction of New Source (installation)

ES Existing Source

MS Modification of Existing Source

RS Removal of Source

3. Enter the date (or anticipated date) of the engine's installation (construction of source), modification or removal.
4. Enter the date that the engine was manufactured, modified or reconstructed.
5. Is the engine a certified stationary compression ignition internal combustion engine according to 40CFR60 Subpart IIII. If so, the engine and control device must be operated and maintained in accordance with the manufacturer's emission-related written instructions. You must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required. If the certified engine is not operated and maintained in accordance with the manufacturer's emission-related written instructions, the engine will be considered a non-certified engine and you must demonstrate compliance according to 40CFR§60.4210 as appropriate.

Provide a manufacturer's data sheet for all engines being registered.

6. Is the engine a certified stationary spark ignition internal combustion engine according to 40CFR60 Subpart JJJJ. If so, the engine and control device must be operated and maintained in accordance with the manufacturer's emission-related written instructions. You must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required. If the certified engine is not operated and maintained in accordance with the manufacturer's emission-related written instructions, the engine will be considered a non-certified engine and you must demonstrate compliance according to 40CFR§60.4243a(2)(i) through (iii), as appropriate.

Provide a manufacturer's data sheet for all engines being registered.

7. Enter the Engine Type designation(s) using the following codes:

LB2S Lean Burn Two Stroke

RB4S Rich Burn Four Stroke

LB4S Lean Burn Four Stroke

8. Enter the Air Pollution Control Device (APCD) type designation(s) using the following codes:

A/F Air/Fuel Ratio

IR Ignition Retard

HEIS High Energy Ignition System

SIPC Screw-in Precombustion Chambers

PSC Prestratified Charge

LEC Low Emission Combustion

NSCR Rich Burn & Non-Selective Catalytic Reduction

SCR Lean Burn & Selective Catalytic Reduction

9. Enter the Fuel Type using the following codes:

PQ Pipeline Quality Natural Gas

RG Raw Natural Gas

2FO #2 Fuel Oil

LPG Liquid Propane Gas

10. Enter the Potential Emissions Data Reference designation using the following codes. Attach all referenced data to this *Compressor/Generator Data Sheet(s)*.

MD Manufacturer's Data

AP AP-42

GR GRI-HAPCalc™

OT Other _____ (please list)

11. Enter each engine's Potential to Emit (PTE) for the listed regulated pollutants in pounds per hour and tons per year. PTE shall be calculated at manufacturer's rated brake horsepower and may reflect reduction efficiencies of listed Air Pollution Control Devices. Emergency generator engines may use 500 hours of operation when calculating PTE. PTE data from this data sheet shall be incorporated in the *Emissions Summary Sheet*.

STORAGE TANK DATA SHEET

[illegible]

1. Enter the appropriate Source Identification Numbers (Source ID #) for each storage tank located at the facility. Tanks should be designated T01, T02, T03, etc.
2. Enter storage tank Status using the following:

EXIST Existing Equipment
REM Equipment Removed

NEW Installation of New Equipment
3. Enter storage tank content such as condensate, pipeline liquids, glycol (DEG or TEG), lube oil, etc.
4. Enter storage tank volume in gallons.
5. Enter storage tank diameter in feet.
6. Enter storage tank throughput in gallons per year.
7. Enter storage tank orientation using the following:

VERT Vertical Tank

HORZ Horizontal Tank
8. Enter storage tank average liquid height in feet.

Registration Number (Agency Use) **G40-C**West Virginia Department of Environmental Protection • Division of Air Quality

EMISSION SUMMARY SHEET FOR HAZARDOUS/TOXIC POLLUTANTS												
Registration Number (G) G40-C												
Potential Emissions (lbs/hr)												
Source ID No.	Benzene	Acetaldehyde	Toluene	Xylenes	n-Hexane	Formaldehyde	Benzene	Acetaldehyde	Toluene	Xylenes	n-Hexane	Formaldehyde
Transfer Points												
Crush/Screen												
Stockpiles												
Haulroads												
CAT C9	0.00093	0.00077	0.00041	0.00028		0.00118	0.000931	0.000766	0.000408	0.000285		0.001178
TOTAL	HAPS 0.00378 lb/hr	0.003784 TPY										

JAW

XA400S & XR400S



The Powerscreen® X400S range of high performance primary jaw crushing plants are designed for medium scale operators in quarrying, demolition, recycling and mining applications. The range includes the XA400S with hydraulic adjust and the XR400S with hydraulic release. User benefits include track mobility for a quick set-up time (typically under 30 minutes,) hydraulic crusher setting adjustment for total control of product size and crusher overload protection to prevent damage by uncrushable objects.

5" = 250 TON finished product (Fines, 573, 35")

Features & Benefits

- High output and excellent reduction capability
- Heavy duty wear resistant hydraulic folding feed hopper with wedge fixing system
- Excellent under crusher access for removal of wire with hydraulic raise lower product conveyor
- Stepped self-cleaning grizzly feeder with under feeder screen option
- Deep fines chute to reduce material blockages
- Aggressive crushing action with high swing jaw encouraging material entry into crushing chamber
- Hydraulic crusher setting adjustment
- Improved manganese liner retention, protects jaw supports on both swing & fixed jaws
- Hydraulic crusher overload, ideal for applications with un-crushable material in feed, 200mm² (XR400S)
- Economic to operate with low fuel consumption due to highly efficient direct drive system
- Angle adjustable product conveyor
- Easy access power unit canopy
- PLC control system with auto start facility
- Remote control via umbilical
- Dust suppression system
- Easily set up

Options

- Deflector plate under crusher
- Dirt conveyor
- Single pole/twin pole magnet
- Radio remote control
- Belt weigher
- Electric refuelling pump
- Hydraulically driven water pump
- Underscreen wire mesh: 10, 20, 30, 40 or 50mm
- Super tooth or multi tooth jaw plates
- Extended hopper

Applications

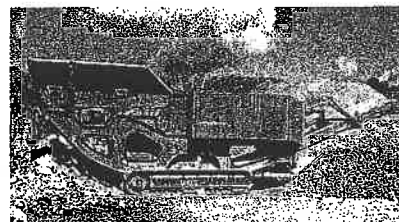
- Sand & gravel
- Blasted rock
- River rock
- C & D waste
- Overburden
- Foundry waste
- Processed ores
- Processed minerals

*Availability - 6 months
90%*

#20,000

New

80% Apply



** Extra Air Filters
* Blow out AF's all the time*

Output Potential: up to 400 tph (441 US tph)*

XA400S	
Weight (Est)	44,750kg (98,656lbs) including magnet & dirt conveyor
Transport width	2.8m (9'2") 4.3m (14'1") including dirt conveyor
Transport length	15.2m (49'10")
Transport height	3.4m (11'2")
Working width	2.8m (9'2")

XR400S	
Weight (Est)	44,750kg (98,656lbs)
Transport width	2.8m (9'2") 4.3m (14'1") including dirt conveyor
Transport length	15.2m (49'10")
Transport height	3.4m (11'2")
Working width	2.8m (9'2")



WARRIOR

WARRIOR 1800

Designed for medium to large operators, where high capacity and throughput are paramount, the Powerscreen® Warrior 1800 is a tough, heavy duty machine built for screening, 2 or 3 way splitting and stockpiling in quarrying, recycling, construction and demolition aggregates and top soil applications.

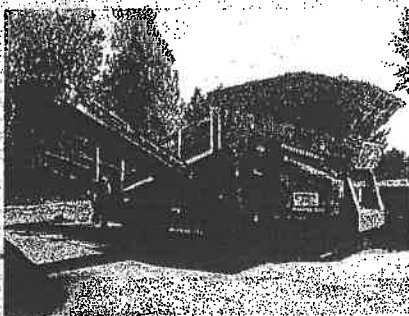
With low ground pressure crawler tracks the Warrior 1800 is highly mobile. The versatile screen accepts a wide range of media options including bofor bars, finger screens, woven mesh and punch plates.

Features & Benefits

- Heavy duty, incline belt feeder with hydraulic hopper sides
- Heavy duty, adjustable angle, grease lubricated 2 bearing, 2 disk screen box
- Jack up screen facility to aid mesh changes
- Hydraulic "slide out facility" on oversize tail conveyor to ease mesh changes
- Screen walkway and access steps
- Hydraulic folding conveyors with excellent stockpiling capacity
- Engine protection shutdown system

Options

- Radio controlled tracking
- Dual power (additional electric hydraulic drive)
- Quick release screen wedge tensioning
- Auto lubrication system
- Dust suppression
- Wide range of screen media
- 2 or 3 way split configuration
- High capacity incline apron feeder
- Telescopic side conveyor option



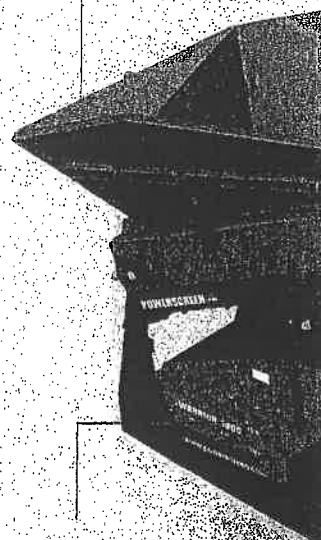
WARRIOR 1800 (INCLINE BELT FEEDER)		3 WAY SPLIT
Weight (Est)	29,200kg	
Transport width	2.96m (9'8")	
Transport length	15.38m (50'6")	
Transport height	3.4m (11'2")	
Working width	12.52m (41'5")	
Working length	14.40m (47'5")	
Working height	4.57m (14')	

*Output potential depends on application

Engines are available that are certified to US EPA and EU off road diesel emission standards. Talk to your

Hopper

- Capacity: 6.8m³ (8.9yds³)
- Hydraulic folding wing plates
- Collapsible rear wall for direct feeding



Power Unit

- Tier 3/Stage 3A
CAT C4.4 ATAAC 83kW (111.3hp)
- Tier 4i / Stage 3B
CAT C4.4 4 ATAAC 82kW (2200rpm)
- Fuel tank capacity:
336 L (88 US Gal)

Tracks

- Width: 400mm (15.7")
- 2 Speed tracking

Screen Media

- Mesh
- Punch plate
- Bofor
- Finger
- Ball deck
- Flex mat
- Smooth bar